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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,954	09/27/2001	Monica Rose Cleghorn	125310-1000	2550

7590	10/11/2006	**EXAMINER**	
		WU, YICUN	

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ART UNIT	PAPER NUMBER
2165	

DATE MAILED: 10/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>rce filed 8/7/06</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-52</u> is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-52</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>12 December 2001</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All b)☐ Some * c)☐ None of:

       1.☐ Certified copies of the priority documents have been received.

       2.☐ Certified copies of the priority documents have been received in Application No. _____.

       3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
     Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
     Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

III. DETAILED ACTION

1.   Claims 1-52 are presented for examination.

Examiner's Remarks

2.   The status of Claims 51-52 should not be "New" because claims 51-52 exists in the

amendment files 12/5/2005.

        As to applicant's remarks (page 13) filed 8/7/2006, the examiner believes paragraph

[0033] should be paragraph [0029].

        Appropriate clarification is required.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   Claims 1-52 are rejected under 35 U.S.C. 102(e) as being anticipated over Reiman et al.

(U.S. Patent 5,966,431).

As to Claims 1, 16, 31, 50 and 52, <u>Reiman et al.</u> discloses a method of processing a

database query between one or more clients and one or more databases, the method comprising

the steps of:

receiving the database query from one of the clients (col. 7, lines 45-49),

the database query related to information about a telephone number (i.e. called number.

Col. 8, lines 1-3 and , the database query sent using the telephone number (Col. 8, lines 1-3 and

col. 10, lines 50-67),

the database query formatted using a first protocol (i.e. translating and converting of a

message with a first protocol to a message with a second protocol. Col. 21, lines 24-29 and fig.

7);

selecting one of the databases to process the database query (i.e. the query has to be

translated, reformatted, and sent over the local area network (LAN) to a file server (of the 3

shown in the FIG. 1 embodiment) containing the line information database (LIDB) used for

validation (col. 7, lines 50-55); translating the database query from the first protocol to a second

protocol (col. 7, lines 50-55);

sending the translated database query to the selected database for processing (col. 7, lines

50-55);

processing the translated database query be a line information database (i.e. LIDB

queries. Col. 8, lines 24-34);

receiving a response (i.e. response. col. 7, lines 54-67) to the database query from the

selected database (col. 7, lines 54-67),

the response used to process a call related to the telephone number (Col. 8, lines 1-3 and

col. 10, lines 50-67),

the response formatted using the second protocol (i.e. this response is then reformatted.

col. 7, lines 54-67);

translating the response from the second protocol to the first protocol (i.e. reconvert the

response packet. col. 7, lines 54-67);

determining which of the clients sent the database query (i.e. response is then forwarded

to STP 11 with the called number in the layer that also contains the calling party addresses in the

original query. col. 7, lines 54-67); and

sending the translated response to the client that sent the database query (i.e. response is

then forwarded to STP 11 with the called number in the layer that also contains the calling party

addresses in the original query. col. 7, lines 54-67).

As to Claims 2, 17 and 32, Reiman et al. discloses a method as recited in claim 1, further - -

comprising

the step of validating the client (i.e. File servers 22 provide the call processing

functionality required to receive the LIDB queries from the gateway, validate the queries and

respond to the gateway. Col. 8, lines 24-26).

As to Claims 3, 18 and 33, Reiman et al. discloses a method comprising

the step of sending a time out response to the client that sent the database query whenever

the translated response has not been received within a specified time period (i.e. within a given

time out. col. 28, lines 36-41).

As to Claims 4, 19 and 34, <u>Reiman et al.</u> discloses a method comprising

the step of logging the database query (i.e. All data received from the service nodes, i.e.

the gateways and the servers, are logged. Col. 17, lines 18-21).

As to Claims 5, 20 and 35, <u>Reiman et al.</u> discloses a method comprising

the step of storing an address identifier for the client that sent the database query (i.e.

with the called number in the layer that also contains the calling party addresses in the original

query. col. 7, lines 54-67).

As to Claims 6, 21 and 36, <u>Reiman et al.</u> discloses a method comprising

the step of storing a query identifier for the database query (col. 20, lines 56-60).

As to Claims 7, 22 and 37, <u>Reiman et al.</u> discloses a method wherein the steps of sending

the translated database query to the selected database for processing and receiving a response to

the database query from the selected database, the response formatted using the second protocol

comprise the steps of:

    encrypting the translated database query (i.e. encrypted. Col. 15, lines 50-51);

    sending the encrypted database query (i.e. encrypted. Col. 15, lines 50-51) to the selected

database for processing (col. 7, lines 50-55);

receiving an encrypted response to the encrypted database query from the selected

database, the response formatted using the second protocol (i.e. translating and converting of a

message with a first protocol to a message with a second protocol. Col. 21, lines 24-29 and fig.

7); and

decrypting the encrypted (i.e. encrypted. Col. 15, lines 50-51) response into a response

(i.e. response. col. 7, lines 54-67).

As to Claims 8, 23 and 39, Reiman et al. discloses a method as wherein

the first protocol is an Internet protocol (i.e. inter- network. Col. 7, lines 62-64).

As to Claims 9, 24 and 40, Reiman et al. discloses a method as wherein

the second protocol is a signaling protocol (i.e. signaling protocol. Col. 3, lines 22-24).

As to Claims 10, 25 and 41, Reiman et al. discloses a method as wherein

the signaling protocol is a Signaling System 7 protocol (col. 4, lines 62-67).

As to Claims 11, 26 and 45, Reiman et al. discloses a method wherein

the database query is part of a call validation process (i.e. File servers 22 provide the call

processing functionality required to receive the LIDB queries from the gateway, validate the

queries and respond to the gateway. Col. 8, lines 24-26).

As to Claims 12, 27 and 46, Reiman et al. discloses a method wherein

the database query is part of a call billing process (i.e. i.e. billing. Col. 9, lines 60-65 and

Col. 8, lines 24-26).).

As to Claims 13, 28 and 47, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a bank card validation process (i.e. File servers 22 provide

the call processing functionality required to receive the LIDB queries from the gateway, validate

the queries and respond to the gateway. Col. 8, lines 24-26).

As to Claims 14, 29 and 48, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a bank card settlement process (i.e. File servers 22 provide

the call processing functionality required to receive the LIDB queries from the gateway, validate

the queries and respond to the gateway. Col. 8, lines 24-26).

As to Claims 15, 30 and 49, <u>Reiman et al.</u> discloses a method wherein

the selected database is a line information database line information database (i.e. line

information database. Col. 7, lines 50-55).

As to Claim 38, <u>Reiman et al.</u> discloses a method wherein

the computer and the server/router module comprise:

a first computer communicably (fig. 1) coupled to the one or more clients (col. 7, lines

45-49);

a second computer communicably (fig. 1) to the one or more network servers (fig. 1);

a server module resident on the first computer (i.e. server fig. 1), the server module

receiving the database query from one of the clients (i.e. query. col. 7, lines 45-49), the database

query formatted using a first protocol (i.e. translating and converting of a message with a first

protocol to a message with a second protocol. Col. 21, lines 24-29 and fig. 7), sending the

database query to the second computer (fig. 1), and sending a translated response to the client

that sent the database query (i.e. this response is then reformatted and sent back to STP11. col. 7,

lines 45-67); and

a router module resident on the second computer (fig. 1), the router module selecting one

of the network servers and one of the databases to process the database query (fig. 1 and col. 7,

lines 45-67), sending the database query to the selected network server (fig. 1 and col. 7, lines

45-67), determining which of the clients sent the database query (fig. 1 and col. 7, lines 45-67),

and sending the translated response to the first computer (i.e. translating and converting of a

message with a first protocol to a message with a second protocol. Col. 21, lines 24-29 and fig.

7).

As to Claim 42, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a service control point (fig. 1 and col. 7, lines 50-

55).

As to Claim 43, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a legacy server (fig. 1 and col. 7, lines 50-55).

As to Claim 44, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a bank server (fig. 1 and col. 7, lines 50-55).

As to Claim 51, <u>Reiman et al.</u> discloses a method wherein the database is at least one of

a client (fig. 1 and col. 7, lines 50-55);

the client (fig. 1 and col. 7, lines 50-55);

a part of the client (fig. 1 and col. 7, lines 50-55);

a server (fig. 1 and col. 7, lines 50-55).

Points of contact

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 571-272-4087. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Yicun Wu
Patent Examiner
Technology Center 2100

September 29, 2006